



HAMATEUR CHATTER

The Milwaukee Radio Amateurs' Club, Inc.

The World's Oldest Continuously Active Radio Amateur Club



April 1972

EDITOR'S CORNER



MRAC has been fortunate in having Dick Oberholtzer, W9ZPV as President for the last two years. With this term, he is relinquishing the post and will not be available to serve in that capacity again. Under his leadership much has been accomplished and much effort has been directed in moving the membership to activities. The programs he pushed have been interesting and informative. Dick, a busy executive in his daily life, has given much of himself and his decision not to "run" again is quite understandable.

So election time is approaching and the nominating committee is preparing a slate of candidates. It will be noted that certain officers are reelected year after year, mainly because of the lack of candidates. These are to be commended for their dedication to their job and club. Specifically, Charley Dawson W9CUW, Treasurer and Walt Glish W9YYW, Secretary have served well year after year.

The purpose of this editorial is to appeal to others to volunteer for offices. In any organization new blood is needed and on looking over the roster, many capable persons are only warming seats. We make an appeal to make yourself known by offering to take a post. Perhaps a place on the board is a good starting place for those more timid souls. We do thank Dick for his services and appreciate his fine effort to make this Club a superior one. Others can now help to carry on, it is YOUR club.

Chester Sakura, W9CTI

AUCTIONS! AUCTIONS!



MRAC Spring event will be the regular meeting April 13th, same time, same place and perhaps same junk, hi!

Ozaukee R.C. will have theirs on May 6th at the usual place, Hill School at the intersection of Hiways 33 & 41. This writer has observed a number of familiar packages at a number of auctions.

WANTED--Radio for air traffic bands w/crystal control, etc. Call Vince, 786-4564.

ALLIED RADIO OUT OF MAIL ORDER

Reliable Allied Radio is out of the mail order business. DON'T send orders to Chicago, but orders can be placed thru one of the Allied Radio/Shack stores. This has been in effect since November 1971. Reported by K9DD and W9CTI.

Number 28

AREC AND EMERGENCY

The Simulated Emergency Test (SET) on January 29th was successfully participated in by 265 stations handling 450 pieces of traffic. Wisconsin Section Emergency Coordinator W9NGT was pleased with the activity except for the lack of check-ins from Milwaukee. There were only two stations reporting and Sherm would like more stations serving this largest population area. SSB thru BEN has a few regulars but CW on WIN is badly in need of a few regulars who will check in, perhaps only once a week. Contact W9CTI if interested.

There is a proposal of restructuring the AREC with Assistant ECs for each area of operation. These areas are: (1) Equipment (2) Radio Station (3) Law Enforcement and Safety Service (4) Special Events (5) VHF Operations and Liaison (6) Public Relations (7) National Traffic Systems (8) National SX Service (9) Field Operations (10) MARS Liaison (11) Training. To implement the proposed change, a vote of approval is necessary by the members to change the By-Laws. New faces at the last AREC meeting were W9NZF, WA9MNB and LaVon Carlson, XYL of deceased member WA9PPC.

SPECIAL PROGRAM AT MARCH MEETING

A special program, "Odd-Ball Oscillators and Control Systems," was presented by Al Belanger, W9MDG at the March meeting. The presentation was complete with displays and demonstrations of unusual devices using audio oscillators, including the touch-tone oscillator and a self-contained audio code-practice set/RTTY AFSK generator.

A device causing a great show of interest by those in attendance was an audio generator concealed in a large toy softball. Al explained that the cork center had been bored and the signaling device, a Mallory Sonalert powered by rechargeable Ni-Cad batteries, had been mounted inside. A pattern of holes in the ball allowed the sound to pass through, and on/off switching was done by a plug inserted into the side of the ball. The toy is used by blind children to develop coordination, and they can become very adept at tossing and catching it. Another toy, now being used at the Milwaukee Children's Hospital, is a large doll with a built-in wireless FM transmitter and receiver. A companion transmitter-receiver is used by the therapist, who is hidden from the child's view. A retarded child, who will not talk with adults, may confide in the doll and thereby communicate with the therapist. The presentation was well given and well received by the audience.

Bob Schmid, WA9FBO

HAMATEUR CHATTER is the official organ for M.R.A.C. published bi-monthly. Meetings on the second Thursday of the month at MSOE, 1020 No. Broadway, 7:30 p.m. -- Everybody Welcome!

HAMATEUR CHATTER STAFF

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M.R.A.C. OFFICERS

President	Dick Oberholtzer	W9ZPV	782-9158
1st V. Pres.	Jim Ott	W9LCD	425-2358
2nd V. Pres.	Ray Weeks	WA9JOV	964-1996
Treasurer	Charles Dawson	W9CUW	352-9285
Secretary	Walt Glish	W9YYW	453-6693

Board Members: Travis Baird, W9VQD (Chairman); Jack McLeland, W9ATK; Emmett Koebie, K9DD; John Hopwood, W9KYT; Lloyd Wantland, WA9JKD; Harold Engelke, K9CMX; Chester Sakura, W9CTI.

VALENTINE PARTY BIG SUCCESS



The Valentine party-dance was the best yet as reported by many and by the Chairmen W9RKP. Each year it gets better and better and is self-supporting by showing a profit. Over 150 attended the affair at Moser's and even had a few unexpected drop-ins. Russ wants to thank all those who attended and to donors of the many prizes. After so many years of chairing this affair, Russ is looking for a volunteer-assistant who can eventually take over this fun event.

SUNSHINE

Shirley, XYL of W9LCD, was in the hospital for ten days in traction due to an accident with a sewing machine injuring her back. (Fone her for details.....) She was discharged Valentine's Day with an abscessed tooth and went directly to a dentist. She is now doing well at home. You girls give her a cheer-up call on 425-2358. Jim is now working for A.V. Electronics since temporarily "leaving" Delco.

LIFE MEMBERS MAKE DONATION

In view of the increased expenses in operating the Club, many Life Members (who are toll-free members) have been making donations. The Editor is pleased to hear that Hema' Chatter is often mentioned. Thanks to W9CCD, W9CAS, W9VLK, W9GAH, S9SNK, W9ECP and W9EDD, some of whom continue their membership dues.

CONSTRUCTION



W9NZF is remodeling his shack and putting up a new tower. In the agenda is a new 75-meter antenna which iced down this winter. Fred ruefully said, "If it stayed up, it wasn't big enough! Sic Transit QCWA Net!" He is also going to be on 2-meters with a 100 watt Dycomm.

WA9BPG is slowly getting his rig ready for the 2-meter repeater. Sez he can't fix his FM rig.

FREE WANT ADS

FOR SALE--SX 111 in excellent condx. Make offer. K9MMC, 547-8096.

WANTED--SSB rig when I get my general. WN9HYX, 774-4944. (Tell us when you get your general.)

FOR SALE--Sony CV5100 video tape recorder. W9LCD, 425-2358.

FOR SALE--Varitronics 2-meter w/battery and AC pack bid over \$125. WA9RYF, 445-5925

WANTED--Two T220s. W9HWO.

WANTED--General coverage rcvr. WN9ISM.

• CERTIFICATE HUNTERS • ATTENTION

HAMATEUR CHATTER W.A.S. CONTEST

In order to promote more participation in the ARRL Operating Achievement Awards Program, Hamateur Chatter will sponsor a series of contests open to its readers. The first will be a W.A.S. contest for the month of April. Any bands and modes may be used. The only requirements are that 50 states must be worked in the month of April and of the states, 15 must be worked with novices.

Operating Achievement Award Certificate will be awarded to the station completing W.A.S. in the shortest time. Honorable mentions will be awarded to those completing W.A.S. on phone or CW only, also for most states worked on 2 and 6 meters and most states worked by a novice, etc.

RULES (VERY SIMPLE). No QSL cards required, only Date, Station and Mode in the month of April. Send all reports to WB9BGJ by May 15th.

Stations who go on and earn the ARRL W.A.S. Awards will also receive certificates. No time limit on this, only all contacts must be made after April 1st, 1972. W.A.S. number and log info. will be required. Send all entries to Sus Musashi, WB9BGJ, 4921 No. 58th St., Milwaukee, Wis., 53218. Next contest will be the WAC certificate. First one to earn the WAC Award starting June 1st 1972 will be the winner, details next issue

CHATTER

W9GF bought a Signal-One. Another good op gone appliance operation, but don't we all drool!

Ray Peschek W9LJU, recently retired from the Telephone Company and was tendered a testimonial dinner.

Phil Leaser, retiring Chief Engineer of the Journal Stations related his first experiences in radio at a testimonial dinner. His first set was naturally a crystal set, with a loose coupler made from two Quaker Oat boxes in 1919. His first fone transmission on his UV 202 5-watter, was with loop modulation in 1923. He was experimenting and calling, "Test, 1, 2, 3, 4," etc. and not thinking that anyone heard, he was surprised to hear someone answering back, "Hello, the station that was testing." This was before he was assigned 9DYR so he got scared and didn't get back on the air again for a week! Phil is planning on getting his ticket and getting back on the air. He was presented a bug by his associates and sezs to be able to do 20-25 WPM yet! He hasn't been on the air for a number of years but will make up for the "lost" time. His last call was W9ECL.

MORE SUNSHINE

W9NZF is anticipating real sunshine from Japan in the form of his grandson SEN LIN NAGATA born June 1971. Their daughter plans an eyeball visit here in June.

K9GKE needs cheering up--his Swan 250 is still sick.

MORE CHATTER

Congrats to WA9FBO who got his FCC 1st Class Fone and Advanced gred in January.

W9CTI had had luck with photos of OT's Nite. The roll of slides came back ruined by the processor.

W9HAJ and W9ITT were transferred to Delco in Kokomo March 5th.

W9MDG demonstrated his "odd ball" on TV.



The final count of the Charter members is 63 paid up. The Souvenir Roster also had names of two Silent Keys and space for additional members. It was inevitable that errors would show up and so please correct W9CUA's address as 134 South Maple instead of 1345. But of course that's of little consequence because he's the local tax assessor and everybody knows him in Sussex. Sunshine reports hospital sessions for W9CUJ with an operation, WN9EHA with a bad back and K9DOL with a second time around. The last report on Harvey is that he is improving nicely. As these cases have been reported over the net, all have been cheered by phone and cards.

As no systematic procedure has been established for soliciting and processing prospective members, it has been proposed to use a modified application blank. This is under study now, but basically it will be a two-piece form reproducing the National application on one and on the other the back of the National form and also a story of the Wisconsin Chapter with a handy application for our chapter. Also proposed is a Membership Chairman to take care of the details. Also proposed is a different time for the Net once a month to enable those finding our present time inconvenient. If this appeals to you, contact us to determine a convenient time. We do want to share the fellowship. The Net has been well attended and convenes near 3985 KHz at 9:00 AM Sunday.

FLASH! Spring dinner-meeting has been firmed for June 3rd at Club Sunset North of Lodi on Highway 113. Dinner at 1:30 so get there early for the "happy hour". Make your reservations early and listen for more details over the net. Deadline will be May 28th.

W9CTI Secretary

10 METER FM AND REPEATER

There's been reports of FM on 29.6 MHz and now there is established an FM HF repeater. The first FM HF repeater in the Milwaukee area is now operational. The system was designed to eventually become completely compatible with the Fort Walton Beach, Florida repeater. This is an attended repeater and will be available on a 24-hour basis unless W9VZR or W9BLR are not present to monitor its operation. Initially the system will be straight carrier access on 29.440 MHz in and 29.6000 MHz out. Using stations are asked to announce the station called, their own call, and the repeater's call and location during each transmission; and the local time at the beginning of each series of transmissions.

The repeater receiver is presently located in the vicinity of Hampton Avenue and Lake Drive. The receive antenna is a $\frac{1}{2}$ wave vertical at approximately 25 feet. The repeater transmitter is located in the vicinity of 92nd and Greenfield and has a power output of 85 watts into a $\frac{1}{2}$ wave vertical at approximately 35 feet. The two sites are linked by radio on 442.4 MHz FM. The system is experimental. The data gathered from the operation of this system may prove the feasibility of a permanent Milwaukee system at a more favorable location to serve both local and remote stations effectively. Any data gathered concerning contacts, signal strengths, stations monitored, interferences, etc. will be sincerely appreciated by W9BLR and W9VZR.

...from HAMTRIX

YELLOW THUNDER HAMFEST '72

SATURDAY, MAY 27TH
DELLVIEW HOTEL - LAKE DELTON, WIS.

REGISTRATION STARTS 12:30 P.M.

PROGRAMS ~ MEETINGS
VHF/REPEATER FORUM

HAPPY HOUR 5:30-6:30 - BANQUET 6:30

FOR REGISTRATION INFO - WRITE:

J. P. ANDERSON WB9EWR

ROUTE 1 - BARABOO, WISC. - 53913

EARLY RESERVATIONS \$5.25 - AT DOOR \$5.75

BAND ACTIVITIES

RTTY on 146.88 include W90OW, K9WRU, W9HAJ, W9BTO, WA9KHV, W9YYW, W9ATK, W9GDW, W9ZPV, W9NY and K9DJR.

WA9UJK and WB9FWL complain that it's lonesome on 28.6 but it's not dead yet. Join them at 9:30 PM daily and also join the Lakeshore (formerly Emergency) Net at 7:30 PM Monday nights. This net is having more and more activity with as many as ten checking in. Also there's a 10-10 Club. Where?, but on 10 meters. The prime purpose of the club, other than fun, is to improve the occupancy of the band. There's no need to digest the efforts of other interests (CB etc.) to get more frequencies so this is an effort to use the band more. Get on ten and you will no doubt run into the 10-10ers. Basic requirements for membership in the club are to work 10 other members and send log to somebody. Ask anyone on 10 for further info. W9YYW is a local member and reports this activity saying that the frequencies are around 28.7. Walt is only showing off his new beam, of course! With the repeater on 29.6, TEN IS NOT DEAD YET!

WB9CKG is on SSB! WB9EMV is on CW! Ken-3796 is on CB, ughh! WB9EMV QSO'd a W6 on AM.

K9GKE is a great user of WB9ADX repeater having worked over 50 stations while mobilizing. He will soon be on his way for DXCC (Not on 2-meters tho) after he gets his beam.

WA9BPG has been working hard on DX working two new countries and has 85/55 confirmed.

FLASH! FLASH! W9RKP works HV3SJ (Vatican City) after trying for years. Russ was rudely awakened out of bed by W9GIL (at 10:00 AM yet!) to be informed that HV3SJ was on the air and he subsequently made the contact. Russ is on the "DXCC Honor Roll" with 340 countries.

SILENT KEY - DAVID CARLSON, WA9PPC

David Carlson, WA9PPC passed away January 19, 1972. He had been ill for some time. On January 18th, he went on the air with the aid of XYL LaVon to say 73 and GB for the last time to his cronies on 6 meters. LaVon is determined to get her ticket and carry on with Dave's call. She expects to enter into some of his activities, especially AREC and emergency traffic.



SHORT SKIP FROM OTHER CLUBS AND ORGANIZATIONS

FEEDBACK - OZAUKEE R.C.

WA9YBM has been enjoying being homesick at Great Lakes Naval Training Center. WB9CXY must have his new homebrew by now. Larry Boher WB9FXQ and Chris Kluck, WB9GUG both of Sheboygan are new members. Chris has almost finished his SB401. A repeater on 2 meters is being discussed with W9UFW heading the committee. There are ten members on his committee and if there were more operating on two, there would have been more. K9UKH broke a leg and an arm but still came to the meeting. Laggards take note! W9RXJ has been checking in the net and has been getting better and better as he improves his antennas. Hal now has his beam up and will be working DX again soon.

Ozaukee Radio Club formally accepts the Field Day challenge from West Allis Radio Club. Losers to furnish one-half bbl of amber refreshments and sodas for non-drinkers and to pick the arena for the final (drinking) bout.

Larry Keyes

(PASSED HIS NOVICE)

HAMTRIX - WEST ALLIS

A tour of the Airport facilities was sponsored Feb. 10th. Included in the tour was the observation tower and radar room, flight service station and National WX Service. About 30 people enjoyed the tour. March 14th meeting was also the Spring Auction. A few outsiders and many members (who normally don't show up) attended the goodie-fest. Some ARC 5s and boxes of surplus tubes went very cheap. Hamtrix usually carry interesting technical articles. This time there was a good one on Neon Bulbs, grid leaks and feed systems. (Anyone interested in reading Hamtrix, see Editor.) Pres. Ron usually has a work of wisdom to wit: "It is easy to tell when you have a bargain in ham gear - it doesn't work.....and.....the only real problem drinker is the one who never buys."

W.A.R.C. formally accepts Ozaukee R.C.'s challenge in Field Day competition. We can taste the beer now!

Lynn Tamblyn, WA9KRF

BEAR TRACKS FROM BEAR FACTS

The new officers for the year are:

President	H. Shultz	W9MFB
Secretary	E. Belanger	W9MDD
Treasurer	C. Dawson	W9CUW

The annual BEARS OM/XYL Octoberfest turned out to be the traditionally FUN night. Door prizes were won by Mrs. Shultz and Mrs. Hudzinski. The familiar WWV signals can be heard by dialing 303-499-7111. This news squeezed out of last issue.

March 14th meeting was a Mystery Nite with W9CUW being mysterious. (Pssst, our spy reported that he presented dope on a Time-base Frequency Counter--details in the next issue of Bear Facts.) No mystery about the dues being due either and for a measly two bucks. February meeting was a Zwarts Special and it ran true to form. His presentation was of a new world of high capacity mobile phone service which will occupy around 800 MHz. The BEAR FACTS rag had deteriorated a little in reproduction, sez Glenn, having lost the use of their wonderful typist thru reproduction (motherhood). Actually, the copy wasn't bad even after you were reminded of it. Megacycle Mac is Rock Bound.

Glenn Mattes, K9QHS

W9HHX - MSOE - REPORT ON GW3UUS/W9

VHF hams in the area may have been surprised to work a GW3 on 2 meter FM lately! The call belongs to Graham Pecker, GW3UUS/W9, from Newport, Wales, who will be receiving his Computer Technology degree from MSOE in May. Living in the US through the Rotary International, Graham has had a lot of radio experience through working with the British Post Office Radio Research Dept., which controls communications in Britain like our FCC. He also spent 6 months with the Goughilly Downs microwave station, which forms the British end of the Transatlantic satellite system. When asked about hamming in Britain, Graham explained that they have two classes of licenses: Class A, which requires both written and CW tests; and Class B, requiring only a written test but restricting operation to 2 meters and above. Graham received his Class A in 1965, and operates 2M, 4M 432 and 1296 MHz at home. The National Calling frequency is 145.00 MHz and most operation is done with crystal-controlled AM transmitters and tunable receivers. The FM requirements are stricter than ours, and operators use 6 KHz deviation at most. 160 meter operation with AM and a 10-watt limit is very popular in Britain also. In Milwaukee, Graham operates .94 and .34-.76 from either base or mobile with an IC-2F. He is currently working on a 10,500 MHz (10.5 Gigahertz) microwave transceiver through MSOE's microwave lab. After school ends in May, GW3UUS will go mobile on a trip which will take him through many of the states, and says that he hasn't decided on his plans after the trip.

Bob Schmid, WA9FBO

SMOKE SIGNALS - BARABOO

All systems "GO" for the Hamfest at Lake Delton May 27th. Just in case you have an earlier release, the date has been changed from May 20th. K9PKQ leads the 6-month contest by a big margin in a fifteen-man field. WA9GYF reports on the 160 meter band and talks like an authority. New members are: Dan Keepers, Robert Simonitsch, Bill Marshall and son Terry, Dick Nagle, Daniel Frank WB9CIL, Roy Rosser K9WXS and Arnie Bachman K9DCJ, the County Hunter's Delight. Activity on .67 is slowly picking up. Novice class has 10 going strong, led by K9PKQ, WB9EWQ and WB9ECO. Hamfest tickets are \$5.25 advance, and \$5.75 at the door. Talking freqs by WB9FDZ will be on 3985 and .94. For more details, see Hamfest ad this issue.

Jim Romelianger, K9PKQ

LONGFELLOW AMATEUR RADIO CLUB

NEW CLUB!

A membership drive at the Feb. 24th meeting had the Editor, W9CTI as the guest speaker. He gave a talk on how radio got started and what ham radio was like when he was our age. He also described how to build a crystal set, oatmeal box and all. Then on Saturday the 26th, he took WN9ISM, WB9EMV and Jim Stobe (no call yet but soon) to visit Carl Stanfield's Radio Store to see the equipment used about 40-50 years ago. After the interesting visit there and a break for lunch (the Editor was treated to a hammy and coke) the four of us went to Amateur Electronics Supply to drool over some of today's equipment. The club wishes to thank Chet for the talk and trip and also Dick Oberholzer for donating to the club a Super Pro receiver.

Jim Schraith, WN9ISM